



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

09/810,442

03/19/2001

Thomas Sheng

SUND 190

7186

23995

7590

09/07/2004

RABIN & Berdo, PC  
1101 14TH STREET, NW  
SUITE 500  
WASHINGTON, DC 20005

EXAMINER

BAKER, CHARLOTTE M

ART UNIT

PAPER NUMBER

2626

DATE MAILED: 09/07/2004

3

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/810,442

Applicant(s)

SHENG, THOMAS

Examiner

Charlotte M Baker

Art Unit

2626

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 March 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☒ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

**DETAILED ACTION**

***Priority***

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Parks et al. (5,877,746).

**Regarding Claim 1:** Parks et al. disclose an integrated office system with a main housing (column 5, lines 10-11), which reads on “a main body”; storage located in the cavity of the main housing (column 5, lines 48-51), which reads on “an internal storage slot formed in the main body”; a keyboard/cursor control device (column 5, lines 30-51) and (column 6, lines 65-67 and column 7, lines 1-4), which reads on “a control panel moveably received in the internal storage slot, wherein the control panel comprises a keyboard through which the instructions for operating the image processing apparatus are inputted”.

**Regarding Claim 2:** Parks et al. satisfy all the elements of Claim 1. Parks et al. further disclose the storage of the integrated unit (column 5, lines 48-51) and (Figure 1), which reads on “wherein the control panel is slideably received in the internal storage slot”.

Art Unit: 2626

**Regarding Claim 3:** Parks et al. satisfy all the elements of Claim 1. Parks et al. further disclose a display controller and an I/O controller connected via a system bus (column 5, lines 63-67) and (column 6, lines 1-3) and (column 6, lines 65-67) and (column 7, lines 1-4) and (column 7, lines 10-16) , which reads on “a display panel electrically connected to the control panel for displaying the inputted instructions and the status of the image processing apparatus”.

**Regarding Claim 4:** Parks et al. satisfy all the elements of Claim 1. Parks et al. further disclose sheet feeders located on the upper rear part of the main housing (column 6, lines 26-38), which reads on “a document-feeding unit arranged above the main body for feeding documents into the image processing apparatus”.

**Regarding Claim 5:** Parks et al. satisfy all the elements of Claim 1. Parks et al. further disclose the printer function of the integrated office system (column 6, lines 35-38) and (column 7, lines 5-9), which reads on “wherein the image processing apparatus is a printer”.

**Regarding Claim 6:** Parks et al. satisfy all the elements of Claim 1. Parks et al. further disclose the copy feature (column 24, lines 41-59), which reads on “wherein the image processing apparatus is a copy machine”.

**Regarding Claim 7:** Parks et al. satisfy all the elements of Claim 1. Parks et al. further disclose the facsimile feature (column 20, lines 15-34), which reads on “wherein the image processing apparatus is a facsimile machine”.

**Regarding Claim 8:** Parks et al. satisfy all the elements of Claim 1. Parks et al. further disclose a scanner capability (column 24, lines 49-53), which reads on “wherein the image processing apparatus is a scanner”.

Art Unit: 2626

**Regarding Claim 9:** Parks et al. satisfy all the elements of Claim 1. Parks et al. further disclose an all-in-one integrated office system (column 4, lines 62-67) and (column 5, lines 1-9), which reads on "wherein the image processing apparatus is a Multi-Functional Peripheral".

**Regarding Claim 10:** Parks et al. satisfy all the elements of Claim 1. Parks et al. further disclose a modem used during fax operations (column 7, lines 28-29), which reads on "wherein the image processing apparatus further comprises a built-in modem".

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Parks et al. in view of Boldy et al. (6,765,502).

**Regarding Claim 11:** Parks et al. satisfy all the elements of Claim 1. Parks et al. fail to specifically address a control panel with an infrared transmission device. Boldy et al. disclose a keyboard equipped with an infrared communication terminal (column 5, lines 1-13), which reads on "wherein the control panel is further installed with an infrared transmission device". It would have been obvious for a person of ordinary skill in the art at the time of the invention to include the suggestion of an infrared communication keyboard to allow wireless communication and to allow the keyboard to be stored in a small space.

Art Unit: 2626

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charlotte M Baker whose telephone number is (703) 306-3456.

The examiner can normally be reached on Monday-Friday 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly A Williams can be reached on (703) 305-4863. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

cmb



**KIMBERLY WILLIAMS  
SUPERVISORY PATENT EXAMINER**